

FORM PTO-1449	US Dept. of Commerce Patent and Trademark Office	ATTORNEY DOCKET NO. 510 CIP	SERIAL NO. 09/954,831
INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary) JAN 04 2002		APPLICANT Thomas H. Baum, et al.	
		FILING DATE September 18, 2001	GROUP 281T 1621

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[initials]</i>	AA	6,159,855	12/12/00	B. Vaartstra	438	681	
<i>[initials]</i>	AB	6,013,553	1/11/00	R. Wallace, et al.	438	287	
<i>[initials]</i>	AC	5,820,678	10/13/98	Hubert, et al.	118	690	
<i>[initials]</i>	AD	5,204,314	4/20/93	Peter S. Kirlin, et al.	505	1	
<i>[initials]</i>	AE	5,536,323	7/16/96	Peter S. Kirlin, et al.	118	726	
<i>[initials]</i>	AF	<del>09/414,133</del> 6,399,208	6/4/02	Thomas H. Baum, et al.	428	446	10/7/99
<i>[initials]</i>	AG	6,015,917	1/18/2000	G. Bhandari, et al.	556	12	
<i>[initials]</i>	AH	5,972,430	10/26/99	Frank DiMeo, Jr.	427	255.32	
<i>[initials]</i>	AI	5,919,522	7/6/99	Thomas H. Baum, et al.	427	248.1	
<i>[initials]</i>	AJ	6,110,529	8/28/2000	Robin A. Gardiner, et al.	427	250	
<i>[initials]</i>	AK	5,820,664	10/13/98	Robin A. Gardiner, et al.	106	287.17	
<i>[initials]</i>	AL	5,536,323	7/16/96	Peter S. Kirlin, et al.	395	2.35	
<i>[initials]</i>	AM	07/927,134		Peter S. Kirlin, et al.			8/7/92
<i>[initials]</i>	AN	5,453,494	9/26/95	Peter S. Kirlin, et al.	534	15	
<i>[initials]</i>	AO	5,280,012	1/18/94	Peter S. Kirlin, et al.	505	1	
<i>[initials]</i>	AP	07/615,303		Duncan W. Brown			11/19/90
<i>[initials]</i>	AQ	5,225,561	7/6/93	Peter S. Kirlin, et al.	546	256	
<i>[initials]</i>	AR	07/549,389		Peter S. Kirlin, et al.			7/6/90
<i>[initials]</i>	AS	5,876,503	3/2/99	Jeffrey F. Roeder et al.	118	715	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES	NO
							X (abstrac t only)	

## OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)


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EXAMINER <i>Perline Nazario Gonzales</i>	DATE CONSIDERED <i>February 20, 2004</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	

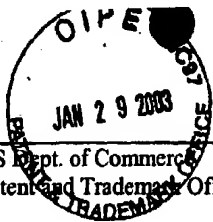
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INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)				APPLICANT Thomas H. Baum, et al.			
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[initials]</i>	BA	5,976,991	12/2/99	R. Laxman, et al.	438	786	
<i>[initials]</i>	BB	6,177,135	1/23/01	Frank S. Hintermaier, et al.	427	255.31	
<i>[initials]</i>	BC	4,895,709	1/23/90	Richard M. Laine	423	344	
<i>[initials]</i>	BD	5,139,825	8/18/92	Gordon, et al.	427	255.2	
<i>[initials]</i>	BE	5,003,092	3/26/91	Orville T. Beachley, Jr.	556	1	
<i>[initials]</i>	BF	5,178,911	1/12/93	Roy G. Gordon, et al.	427	255.2	
<i>[initials]</i>	BG	6,060,406	5/9/00	Glen B. Alers, et al.	438	785	
<i>[initials]</i>	BH	5,924,012	7/13/99	Brian A. Vaartstra	438	681	
<i>[initials]</i>	BI	6,020,243	2/1/00	Robert M Wallace, et al.	438	287	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES NO
							X (abstract only)
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)							
<i>[initials]</i>	BJ	Jones, et al., "MOCVD of Zirconia Thin Films by Direct Liquid Injection Using a New Class of Zirconium Precursor", Chem. Vap. Dep., Vol. 4, 1998, pp. 46-49.					
<i>[initials]</i>	BK	D.C. Bradley, et al., "Metalorganic Compounds Containing Metal-Nitrogen Bonds: Part I, Some Dialkylamino Derivatives of Titanium and Zirconium", J. Chem. Soc., 1960, 3857).					
<i>[initials]</i>	BL	D.C. Bradley, et al., "Metalorganic Compounds Containing Metal-Nitrogen Bonds: Part III. Dialkylamino Compounds of Tantalum", Canadian J. Chem., 40, 1355 (1962)					
<i>[initials]</i>	BM	S. Giles, et al., "Deposition of (Ti,Al)N thin films by organometallic chemical vapor deposition: thermodynamic predictions and experimental results", Elsevier Science, SA, Surface and Coatings Technology, 94-95 (1997), pgs. 285-290.					
<i>[initials]</i>	BN	Kozoh Sugiyama, et al., "Low Temperature Deposition of Metal Nitrides by Thermal Decomposition of Organometallic Compounds", Journal of the Electrochemical Society, Vol. 122, No. 11, Nov. 1975					
<i>[initials]</i>	BO	R. Juza, et al., "Ammonothermal Synthesis of Magnesium and Beryllium Amides", Angew. Chem. Int. Ed., 5, (2), 247 (1966).					
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EXAMINER <i>[Signature: Delfino Vazquez Gonzalez]</i>					DATE CONSIDERED <i>[Signature: February 20, 2004]</i>		
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FORM PTO-1449		U.S. Dept. of Commerce Patent and Trademark Office		ATTORNEY DOCKET NO. ATMI-510-CIP		SERIAL NO. 09/954,831	
INFORMATION DISCLOSURE STATEMENT  (use several sheets if necessary)				APPLICANT Thomas H. Baum, et al.			
				FILING DATE September 18, 2001		GROUP 2844 1621	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>J</i>	AA	5,252,518	10/12/1993	Samdhu, et al.	437	200	
<i>J</i>	AB	5,424,095	6/13/1995	Clark, et al.	427	237	
<i>J</i>	AC	5,593,741A	1/14/1997	Ikeda	427	579	
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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES NO
							X (abstract only)
<i>J</i>	AD	JP 06-80413A	3/22/1994	Japan			X
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)							
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[initials]</i>	AA	5,417,823	5/1995	Narula, et al.	204	157.40	
<i>[initials]</i>	AB	5,583,205	12/1996	Rees, Jr., William S.	534	15	
<i>[initials]</i>	AC	5,726,294	3/1998	Rees, Jr., William S.	534	15	
<i>[initials]</i>	AD	6,348,412 B1	2/2002	Vaartstra, Brian A.	438	681	
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<i>[initials]</i>	AE	WO/00/67300	11/2000	WIPO	H01L	21/00	
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